



**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
INFORMATION ITEM**

Item No. PWC 08-25

SUBMITTED TO: Chairman Rivera and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: July 16, 2008

SUBJECT: Talbert Lake Diversion Phase I Project Review

The Talbert Lake Diversion Phase I Project is currently in the environmental planning process with a draft Mitigated Negative Declaration (MND) available for public comment. The draft MND analyzes the potential environmental impacts associated with the project and is available for review through Friday, July 18, 2008.

Project Description:

The Talbert Lake Diversion Phase I Project is a State Water Resources Control Board grant funded project involving the construction of a natural treatment system in the northeastern corner of Central Park in Huntington Beach, on the eastern side of Goldenwest Street. Phase I of the project received a State of California Proposition 13 competitive grant award for \$2.3 million, requiring a 20% match of \$465,200. The required match funding will be met through an EPA grant received for \$300,000, and the City Council authorized the remainder to be funded through the city's Infrastructure Fund.

Phase II of the project includes improvements and restoration work associated with Talbert & Huntington Lakes and Shipley Nature Center. Phase II is also a State Water Resources Control Board grant funded project. The Phase II project received a competitive Proposition 50 award for \$2.1 million dollars. Phase II is currently in the preliminary design phase.

The proposed Phase I project would divert up to 3 million gallons per day (mgd) of dry weather urban runoff from the East Garden Grove Wintersburg Channel (EGGWC) into a newly constructed treatment wetlands system for water quality improvement purposes. The constructed wetlands would be located in the northeastern corner of Central Park between Slater Avenue and Talbert Avenue to the north and south, and Goldenwest Street and Gothard Street to the west and east. Project components include the construction of a diversion structure such as a rubber dam within the EGGWC to divert dry weather flows either into an

existing water line in Goldenwest Street, or the existing storm drain system within Gothard Street, for transport to the newly constructed treatment wetlands within Central Park.

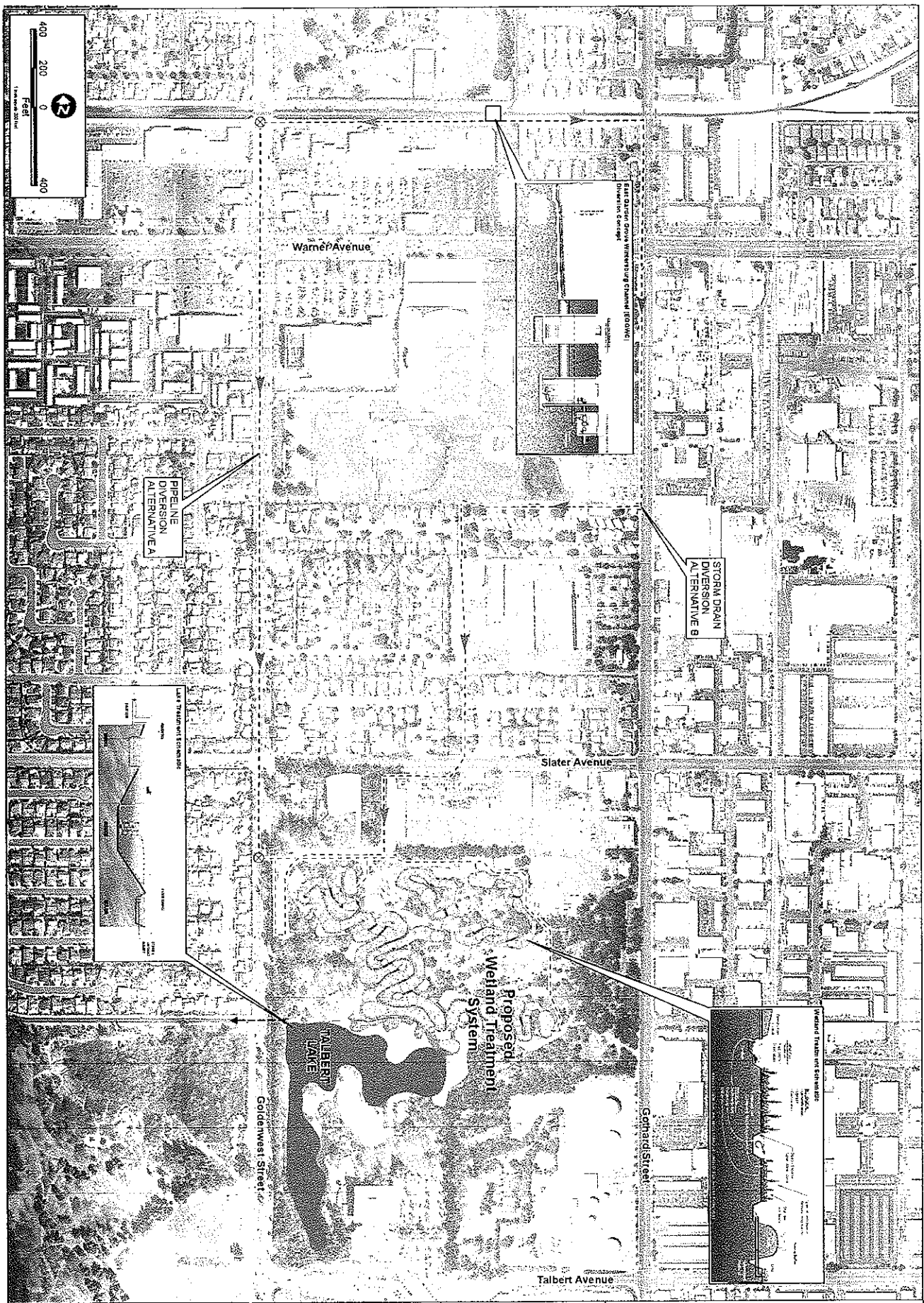
The treatment wetlands would consist of three linear wetland features encompassing open water and channel areas and channels through which diverted channel flows would move and be subjected to a series of natural treatment processes that improve overall water quality. Project objectives include the improvement of water quality and the potential beneficial reuse of treated water on site for park irrigation purposes if sufficient water is available.

The project is a regional water quality project and will be treating urban runoff generated from inland cities, therefore staff has been pursuing the execution of an Operation and Maintenance cost share agreement with the inland cities and County of Orange. This is being pursued through the Countywide NPDES program and the NPDES Technical Advisory Committee. Upon completion of the design, a detailed Operation & Maintenance manual will be developed for the project, including a detailed scope of work and cost estimate.

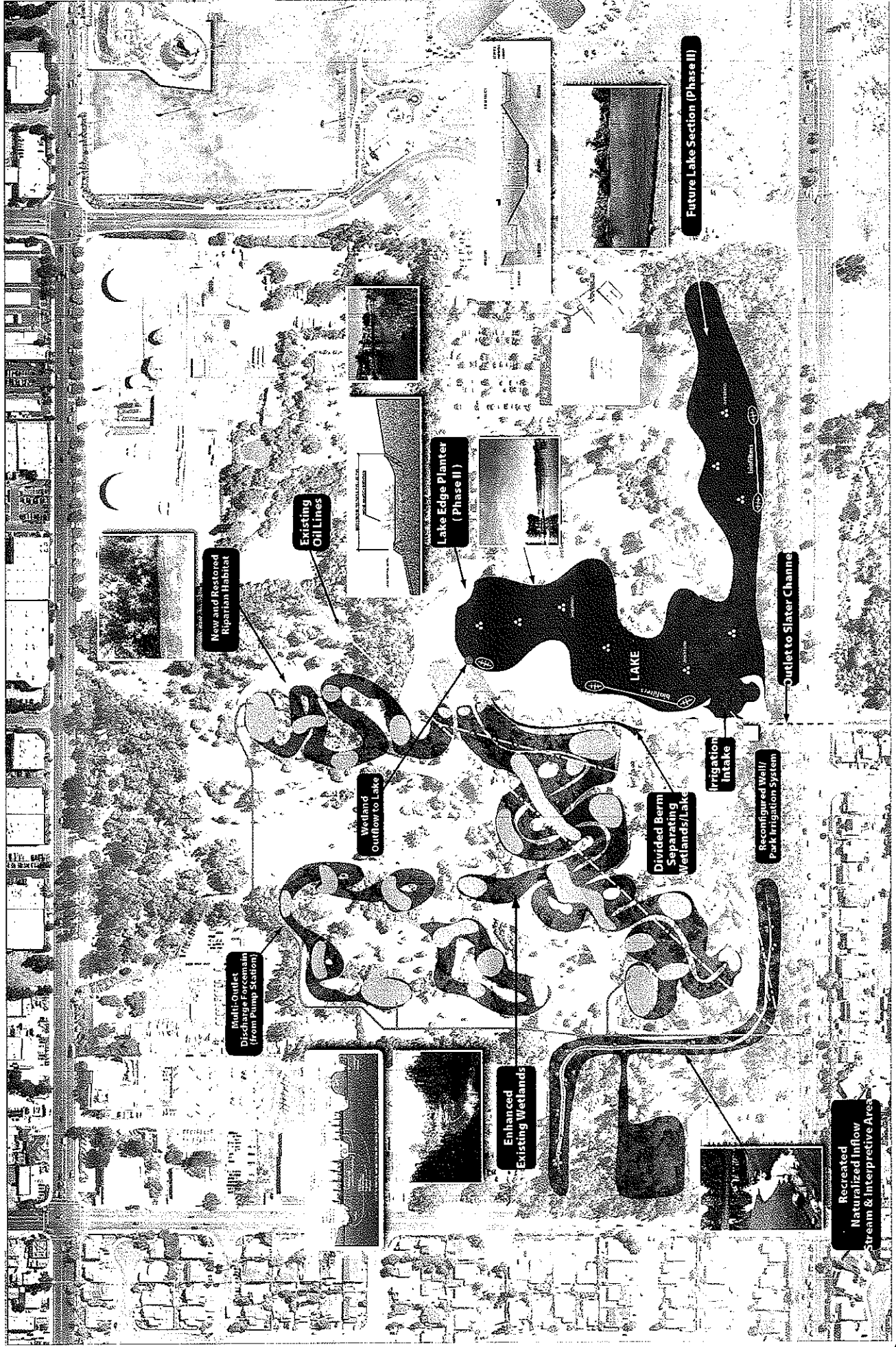
Attachments:

1. Conceptual Project Overview
2. Central Park Overview

ATTACHMENT #1



ATTACHMENT #2



New and Restored
Riparian Habitat

Existing
Oil Lines

Lake Edge Planter
(Phase II)

Future Lake Section (Phase II)

Outlet to Slater Channe

Irrigation
Intake

Reconfigured Well/
Park Irrigation System

Divided Berm
Separating
Wetlands/Lake

Wetland
Outflow to Lake

Main Outfall
Discharge Channel
(from Pump Station)

Enhanced
Existing Wetlands

Recreated
Naturalized Inflow
Stream & Interpretive Ave